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CARRIER AIR TRAFFIC CONTROL CENTER DIRECT ALTITUDE AND
IDENTITY READOUT (CATCC DAIR) AND AMPHIBIOUS AIR TRAFFIC
CONTROL CENTER DIRECT ALTITUDE AND IDENTITY READOUT (AATCC
DAIR) SYSTEMS, N88-NTSP-E-8502B/A

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- .. Subject NTSP is approved and forwarded per reference (a).
2. Subsequent NTSP review will examine both the effectiveness and efficiency of training outlined in this document.
3. OPNAV point of contact is AZC (AW) M. S. Dean (N889H7), DSN 664-7714, Comm: (703) 604-7714.

T. M. VANDENBERG

Captain, U.S. Navy

Head, Aviation Technical Training Section

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FT78 (NETPDTC)(Code 034)

APPROVED

NAVY TRAINING SYSTEM PLAN

FOR THE

**CARRIER AIR TRAFFIC CONTROL
CENTER DIRECT ALTITUDE
AND IDENTITY READOUT**

AND

**AMPHIBIOUS AIR TRAFFIC CONTROL
CENTER DIRECT ALTITUDE AND
IDENTITY READOUT**

N88-NTSP-E-50-8502B/A

MARCH 2000

**CARRIER AIR TRAFFIC CONTROL CENTER
DIRECT ALTITUDE AND IDENTITY READOUT
AND
AMPHIBIOUS AIR TRAFFIC CONTROL CENTER
DIRECT ALTITUDE AND IDENTITY READOUT**

EXECUTIVE SUMMARY

The Carrier Air Traffic Control Center Direct Altitude and Identity Readout (CATCC DAIR) and Amphibious Air Traffic Control Center Direct Altitude and Identity Readout (AATCC DAIR) systems are Air Traffic Control Identification systems that permit an Air Traffic Controller (AC) to obtain rapid positive identification and altitude data of transponder equipped aircraft and to track transponder or non-transponder equipped (via radar skin paint) aircraft. The systems are used on Aircraft Carriers, Helicopter Assault Landing (LHA), and Multi Purpose Amphibious Assault (LHD) ships.

CATCC DAIR and AATCC DAIR current system configurations will be replaced by the AN/TPX-42A(V)14 hardware system configuration. CATCC DAIR is currently an AN/TPX-42A(V)8 or AN/TPX-42A(V)13 hardware configured system. AATCC DAIR is currently an AN/TPX-42A(V)12 or AN/TPX-42A(V)13 hardware configured system. Software determines operational characteristics for the individual systems and is customized for the mission of each ship class.

Delivery of the AN/TPX-42(V)8 and AN/TPX-42A(V)13 CATCC DAIR system configuration has been completed. The AN/TPX-42(V)12 or AN/TPX-42A(V)13 AATCC DAIR systems have been installed on all LHDs and LHAs. The retrofitting of the AATCC DAIR and CATCC DAIR systems (through the use of AN/TPX-42A(V)14 field change kits) are projected to be completed by Fiscal Year (FY)07.

The installation of the AN/TPX-42A(V)14 will not change operator and maintainer requirements for current Aircraft Carrier, Aircraft Carrier, Nuclear, LHA, and LHD ship manpower. The operators of the AN/TPX-42A(V)14 are ACs with Navy Enlisted Classification (NEC) 6902 and 6903. Navy Electronics Technician (ET) personnel completing pipeline course C-103-2056 at Naval Air Technical Training Center (NATTC) Pensacola will be awarded NEC 15XX (awaiting approval), AN/TPX-42A(V)14 Shipboard DAIR Maintenance Technician. Technicians with NEC 1568 (AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician) and 1576 (CATCC DAIR Maintenance Technician) who receive delivery training at Naval Air Warfare Center Aircraft Division (NAWCAD) St. Inigoes will have to submit a request for the award of NEC 15XX. Ships having the AN/TPX-42A(V)14 installed must update manpower documents to reflect the change to new NEC 15XX. ETs perform maintenance on the applicable configuration.

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Initial training of the operators (AC) and maintainers (ET) on the CATCC DAIR and AATCC DAIR AN/TPX-42A(V)14 system configuration began in third quarter FY99 at the NAWCAD, St. Inigoes, Maryland. Follow-on training for CATCC DAIR and AATCC DAIR operators and maintainers for AN/TPX-42(V)8, (V)12, and (V)13 currently exist, and AN/TPX-42(V)14 training will begin in first quarter FY02, at NATTC Pensacola, Florida. Until NATTC Pensacola is on-line with the AN/TPX-42(V)14 training, NAWCAD St. Inigoes will conduct training for the operators, maintainers, and instructors.

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LIST OF ACRONYMS

AATCC	Amphibious Air Traffic Control Center
AATCC DAIR	Amphibious Air Traffic Control Center Direct Altitude and Identity Readout
AC	Air Traffic Controller
ACDS	Advanced Combat Direction System
ACP	Azimuth Change Pulses
AOB	Average On Board
ARP	Azimuth Reference Pulses
ATIR	Annual Training Input Requirement
BIT	Built-In Test
CATCC	Carrier Air Traffic Control Center
CATCC DAIR	Carrier Air Traffic Control Center Direct Altitude and Identity Readout
CDC	Combat Direction Center
CIN	Course Identification Number
CM	Corrective Maintenance
CNO	Chief of Naval Operations
COTS	Commercial Off-The-Shelf
CV	Aircraft Carrier
CVN	Multi-Purpose Aircraft Carrier, Nuclear
DAIR	Direct Altitude and Identity Readout
ET	Electronics Technician
FY	Fiscal Year
GFE	Government Furnished Equipment
ICSTF	Integrated Combat System Test Facility
IFF	Identification Friend Foe
ILSP	Integrated Logistics Support Plan

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LIST OF ACRONYMS

KCMX	Keyset Central Multiplexer
LHA	Helicopter Assault Landing Ship
LHD	Multi-Purpose Amphibious Assault Ship
MPT	Manpower, Personnel, and Training
MRC	Maintenance Requirements Card
MSD	Material Support Date
NA	Not Applicable
NATTC	Naval Air Technical Training Center
NAVAIRSYSCOM	Naval Air Systems Command
NAVICP	Naval Inventory Control Point
NAVPERSCOM	Naval Personnel Command
NAVSUP	Naval Supply Systems Command
NAWCAD	Naval Air Warfare Center Aircraft Division
NEC	Navy Enlisted Classification
NOBC	Navy Officer Billet Classification
NTDS	Naval Tactical Data System
NTP	Navy Training Plan
NTSP	Navy Training System Plan
OLSS	Operational Logistics Support Summary
OPEVAL	Operational Evaluation
PALS	Precision Approach Landing System
PM	Preventive Maintenance
PMA	Program Manager, Air
PQS	Personnel Qualification Standards
RFT	Ready For Training
SDMS	Shipboard Data Multiplex System
SPETE	Special Purpose Electronic Test Equipment

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LIST OF ACRONYMS

SRA	Shop Replaceable Assembly
TD	Training Device
TTE	Technical Training Equipment
USS	United States Ship
VSP	Video Signal Processor
WRA	Weapon Replaceable Assembly

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PREFACE

This Approved Navy Training System Plan (NTSP) for the Carrier Air Traffic Control Center Direct Altitude and Identity Readout (CATCC DAIR) and Amphibious Air Traffic Control Center Direct Altitude and Identity Readout (AATCC DAIR) is an update of the Draft CATCC DAIR and AATCC DAIR Navy Training Plan (NTP), NTP E-50-8502A, dated August 1993. This NTSP reflects the latest information on the Direct Altitude and Identity Readout (DAIR) program and has been updated to comply with guidelines set forth in the Navy Training Requirements Documentation Manual. The major changes to this NTSP are as follows:

- Information on the AN/TPX-42A(V)14 system configuration is included.
- The AN/TPX-42A(V)14 system configuration delivery schedule is included.
- The AN/TPX-42A(V)14 Material Support Date of March 2002 is included.
- Courses no longer applicable have been deleted.
- Navy Enlisted Classification (NEC) 1576 changed to 1568 for ship upgraded from AN/TPX-42A(V)8 to AN/TPX-42A12 or AN/TPX-42A13 and corresponding cancellation of pipeline course C-103-2033, and establishment of pipeline course C-103-2055.
- New NEC 15XX will be awarded to personnel completing the pipeline course C-103-2056.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature-Title-Acronym. Carrier Air Traffic Control Center Direct Altitude and Identity Readout (CATCC DAIR) and Amphibious Air Traffic Control Center Direct Altitude and Identity Readout (AATCC DAIR)

2. Program Element

Training 84731X and 84771X
Hardware.... 283100N

B. SECURITY CLASSIFICATION

- 1. System Characteristics** Unclassified
- 2. Capabilities** Unclassified
- 3. Functions**..... Unclassified

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

- OPNAV Principal Official (OPO) Program Sponsor..... CNO (N885F)
- OPO Resource Sponsor CNO (N885F)
- Developing Agency..... NAVAIRSYSCOM (PMA213)
- Training Agency CINCLANTFLT
CINCPACFLT
CNET
- Training Support Agency NAVAIRSYSCOM (PMA205)
- Manpower and Personnel Mission Sponsor CNO (N12)
NAVPERSCOM (PERS-4B, PERS-404, PERS-406)
- Director of Naval Training CNO (N7)

D. SYSTEM DESCRIPTION

1. Operational Uses. The CATCC DAIR system software is for air traffic control aboard Aircraft Carrier (CV) and Multi-Purpose Aircraft Carrier, Nuclear (CVN) ships, and AATCC DAIR system software is designed for air traffic control aboard amphibious ships.

Although the Identification Friend Foe (IFF) beacon is the primary means of establishing target detection and tracking, the CATCC DAIR and AATCC DAIR systems incorporate radar track processing as a backup. Through automation the system tracks aircraft (using beacon response), associating each with the proper identification data from the flight data stores list. As each aircraft leaves the controller's area of responsibility, its track is automatically handed off either to another Carrier Air Traffic Control Center (CATCC) or Amphibious Air Traffic Control Center (AATCC) control position, the Combat Direction Center (CDC), or Precision Approach Landing System (PALS), as appropriate. Additionally, the CATCC DAIR and AATCC DAIR systems accept ship's data such as speed, heading, position, clock time, and barometric pressure. It displays the data in tabular list form on the controllers' indicators. The final bearing is automatically computed and displayed as a vector on the indicators. CATCC and AATCC responsibility covers an area within a 50 nautical mile radius surrounding the ship.

AATCC DAIR has all the capabilities of CATCC DAIR described in the previous paragraph, with the exception of a PALS interface. In addition, AATCC DAIR also provides information such as Air Plan Lists, Mode 4 IFF capability, helicopter control points, and surface tracks. AATCC DAIR provides the dual capability of terminal control and amphibious assault missions. AN/TPX-42A(V)8, (V)12, and (V)13 CATCC DAIR and AATCC DAIR system configuration upgrades to the TPX-42A(V)14 system began in first quarter Fiscal Year (FY)99. Upgrade completion is expected in the FY07 timeframe.

2. Foreign Military Sales. Not Applicable (NA)

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST

1. AN/TPX-42A(V)8. AN/TPX-42A(V)8 CATCC DAIR system configuration successfully completed Operational Evaluation (OPEVAL) and Technical Evaluation onboard the United States Ship (USS) John F. Kennedy, and received Approval for Service Use during fourth quarter FY82.

2. AN/TPX-42A(V)12. The AN/TPX-42A(V)12 AATCC DAIR system configuration Engineering Development Model was delivered to Naval Air Warfare Center Aircraft Division (NAWCAD), St. Inigoes, Maryland, in July 1988. Phase II testing was conducted at NAWCAD St. Inigoes from August 1988 to January 1990. Phase III shipboard testing was conducted aboard Multi-Purpose Amphibious Assault (LHD)-1 from November 1988 to January 1990. OT-II OPEVAL was conducted in April 1991. Approval for Full Rate Production was granted in February 1992.

3. AN/TPX-42A(V)13. The AN/TPX-42A(V)13 system configuration did not require OPEVAL. This was an upgrade of the AN/TPX-42A(V)8 and AN/TPX-42A(V)12. An engineering change proposal (ECP) was approved and funded by the Naval Air System Command (NAVAIRSYSCOM) and the Naval Sea System Command to replace the existing IFF and radar processors with state-of-the-art, open-architecture-based processors. The ECP greatly improved performance of target detection and tracking, allows continued logistics support for the system,

and maintains the current CV and CVN designs. CVN 65, CVN 74, and LHD 5 were the first platforms to receive the AN/TPX-42A(V)13 system configuration.

4. AN/TPX-42A(V)14. The AN/TPX-42A(V)14 system configuration will not require OPEVAL. AN/TPX-42A(V)14 is an upgrade of AN/TPX-42A(V)8, AN/TPX-42A(V)12, and AN/TPX-42A(V)13 configurations of the system using Government Furnished Equipment (GFE) and Commercial Off-The-Shelf (COTS) hardware.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED

1. CATCC DAIR. Field Change Kits are in use to upgrade the AN/TPX-42A(V)8 and AN/TPX-42A(V)13 system configurations to the AN/TPX-42A(V)14 system configuration. This is a retrofit to existing equipment and does not constitute a system replacement.

2. AATCC DAIR. Field Change Kits are in use to upgrade the AN/TPX-42A(V)12 and AN/TPX-42A(V)13 system configurations to the AN/TPX-42A(V)14 AATCC DAIR configuration. This is a retrofit to existing equipment and does not constitute a system replacement.

G. DESCRIPTION OF NEW DEVELOPMENT

1. Functional Description. The AN/TPX-42A(V)8, AN/TPX-42A(V)12, AN/TPX-42A(V)13, and AN/TPX-42A(V)14 configurations of the system are similar in function. The upgrades of the major components were intended to improve reliability and quality of the system.

a. AN/TPX-42A(V)14

(1) Data Processing Group OL-541

(a) CP-1716A Radar Target Data Processor. The CP-1716A Radar Target Data Processor detects AN/SPN-43 primary radar video signals, triggers, and azimuth data, and develops a single digital report for each operating aircraft within the range of the antenna scan. It then transfers the messages to the CP-1716 Track Processor. All operating controls, self-test controls, and indicators are located on the front panel of the equipment. The Radar Target Data Processor consists of 28 types of plug-in circuit cards and a power supply.

(b) CV-3477 Analog to Digital Converters. The CV-3477 Analog to Digital Converters accept single speed synchro voltage inputs and produce Azimuth Reference Pulses (ARP) and Azimuth Change Pulses (ACP). The four Analog to Digital Converters provide the ARP and ACP signals for two of four available radar systems and one of four IFF systems. The extra unit is in standby mode for the IFF Radar System.

(c) CP-2177 Video Signal Processor. The CP-2177 Video Signal Processor (VSP) generates target report messages once per antenna scan for each IFF

transponder replying within the selected range. The target message is properly formatted and transmitted to the Signal Data Converter after the beam of the rotating antenna has passed each replying aircraft. Two VSPs are provided in the system for dual channel capability. Each unit consists of 32 types of plug-in circuit cards and a power supply. The OL-373 will be integrated into the same rack that replaces the OL-372 in the AN/TPX-42A(V)13 or AN/TPX-42A(V)14.

(2) Conversion-Switching Group OU-162

(a) AN/USQ-69B(V) Data Terminal Set. The AN/USQ-69B(V) Data Terminal Set provides a 25 line, 80 character Cathode Ray Tube display which interfaces with the AN/UYK-44. The 15-inch diagonal display tube has a self-refresh capability. The Data Terminal Set features a three-page display memory, micro program control, character protection, and character emphasis capabilities.

(b) CV-3953 Signal Data Converter. The CV-3953 Signal Data Converter has dual channel capability in transferring data to and from the AN/UYK-44(V) Data Processing Set. It interfaces the AN/UYK-44(V) with the Video Signal Processor's Frequency Shift Keyed data (no longer a function in the AN/TPX-42A(V)13), the Analog-Digital Converter's ACP data, and the time code generator signals. The Signal Data Converter consists of three types of plug-in circuit cards, an Alarm Driver assembly, and two power supplies.

(c) AN/UYK-44(V)EP/OSM Data Processing Set. The AN/UYK-44(V)EP/OSM Data Processing Set is a militarized, reconfigurable, programmable mini-computer. Two units are used for dual channel capability. Each Data Processing Set has a total memory capacity of 384K words. The AN/TPX-42A(V)14 system will use the enhanced processor version of the AN/UYK-44, which will have five times the processing power of the basic unit. The AN/UYK-44 can be installed as a separate change to the AN/TPX-42A(V)8 system, which allows the system to operate program version five, (i.e., the ability to store map lines). The system remains a AN/TPX-42A(V)8 until a AN/TPX-42A(V)14 kit is installed. To date, aircraft carriers USS John F. Kennedy, USS Constellation, USS Kitty Hawk, USS Abraham Lincoln, USS George Washington, USS Carl Vinson, and the maintenance side of the schoolhouse have the AN/UYK-44(V) EP.

(d) SA-2497 Data Signal Switching Unit. The SA-2497 Data Signal Switching Unit provides interface switching for the Track Processor on Helicopter Assault Landing (LHA), the Track Processor and AN/WSN-5 navigational source on LHDs, and the Track Processor on CV and CVN ships. It also provides switching between radar switchboard and AN/SPN-43 direct data in the event of a switchboard failure. The equipment room local-remote channel switch is also located on this unit. The SA-2497 is designed after the SA-2164.

(e) SA-2164 Data Signal Switching Unit. The SA-2164 Data Signal Switching Unit provides interconnection of the on-line Data Processing Set with the Keyset Central Multiplexer (KCMX) (LHA, CV, and CVN application), Shipboard Data Multiplex System (SDMS) (LHD application), Navy Tactical Data System (NTDS) (LHA application), and Advanced Combat Direction System (ACDS) (LHD, CV, and CVN application).

The Data Signal Switching Unit consists of a front panel, relay assemblies, indicator lamps, interrogator set control, and a power supply.

(3) Indicator Control Group OD-220

(a) OD-220 Display Console. The OD-220 Display Console (5 or 8 each) is a new cabinet design housing a 29-inch high resolution (2000 by 1536) diagonal, large screen, raster-scan display. Five or eight display consoles may be used in a typical system.

Note: The CATCC DAIR configuration will have five positions; the AATCC configuration will have eight operator positions.

(b) 506 0001E Keyboard. The 506 0001E Keyboard provides for keyboard inputs by the operator. Five or eight Keyboards may be used in a typical system. The keyboard was designed for application to the CV, CVN, LHA, and LHD missions. It is located on a shelf in front of the display on the OD-220 Display Console.

(c) 625-G2520-2 Trackball. The 625-G2520-2 Trackball assembly interfaces with the Keyboard at each individual indicator. Five or eight Trackballs may be used in a typical system. It is located on a shelf in front of the display on the OD-220 Display Console.

(d) 512890 Writing Panel. The 512890 Writing Panel is a four and one-half by eight inch illuminated writing surface located on the shelf of the OD-220 Console Display.

(e) C-11618 Interrogator Set Control. The C-11618 Interrogator Set Control provides supervisor control for the selection of interrogation modes, processing range, navigational data input source, primary or alternate radar selection, alarm indications, channel selection, and defruiter on-off switching. It consists of a front panel assembly, a switch assembly, and two circuit cards. One Interrogator Set Control on the supervisor console is being used in a typical system.

(f) WordSafe Maxima Video Recorder/Reproducer. The AN/TPX-42A(V)14 has two WordSafe multi-channel magnetic tape recorders connected to the equipment to record flight operations. The WordSafe has 16 channels dedicated to video data recording and 48 channels dedicated to voice recording. Time information is internally generated and does not require a dedicated channel. Information may be recorded by operating position or individual frequency. Use of two tape transports ensures uninterrupted recording capability.

(g) 625-G2520-2 Trackball. The Trackball is used to control a circular symbol across the face of the Cathode Ray Tube. Rolling the Trackball in a particular direction moves the circle in that direction. The faster the Trackball is moved, the faster the symbol moves. The Trackball is used for many tasks: designating a specific aircraft to the system, off-centering the display, moving tabular information, and specifying the location of geographic

reference points. The position of the Trackball symbol is displayed numerically in the Trackball Position Readout.

TABLE I-1 - CATCC DAIR AND AATCC DAIR SYSTEM CONFIGURATIONS

AN/TPX-42A(V)8	AN/TPX-42A(V)12	AN/TPX-42A(V)13	AN/TPX-42A(V)14
OL-201 DATA PROCESSING GROUP	OL-372 DATA PROCESSING GROUP	OL-541 DATA PROCESSING GROUP	OL-541 DATA PROCESSING GROUP
CY-7567 Electrical Equipment Cabinet (1 each)	CY-8421 Electrical Equipment Cabinet (1 each)	MT-6932 Electrical Equipment Cabinet (1 each)	MT-6932 Electrical Equipment Cabinet (1 each)
CP-1319A Radar Target Data Processor (1 each)	CP-1319A Radar Target Data Processor (1 each)	CP-1716A Track Processor (1 each)	CP-1716A Track Processor (1 each)
CV-3477 Analog To Digital Converter (3 each)	CV-3477 Analog To Digital Converter (4 each)	CV-3477 Analog To Digital Converter (4 each)	CV-3477 Analog To Digital Converter (4 each)
CN-1506 Signal Processor (1 each)	CN-1506 Signal Processor (1ea)		
CP-1318 Video Signal Processor (2 each)	CP-1318 Video Signal Processor (2 each)	CP-2177 Video Signal Processor (2 each)	CP-2177 Video Signal Processor (2 each)
	MT-6439 Electrical Equipment Rack (1 each)		
	CP-1716 Track Processor (1 each)		
AN/USQ-69(V) Data Terminal Set (1 each)	AN/USQ-69(V) Data Terminal Set (1 each)	AN/USQ-69B(V) Single Channel (1 each)	AN/USQ-69B(V) Single Channel (1 each)

OU-131 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP
MT-4939 Electrical Equipment Rack (1 each)	MT-6440 Electrical Equipment Rack (1 each)	MT-6440 Electrical Equipment Rack (1 each)	MT-6440 Electrical Equipment Rack (1 each)
MT-4940 Electrical Equipment Rack (1 each)	MT-6443 Electrical Equipment Rack (1 each)	MT-6443 Electrical Equipment Rack (1 each)	MT-6443 Electrical Equipment Rack (1 each)
AN/USH-26(V) Signal Data Record/Repro Unit (1 each)	AN/USH-26(V) Signal Data Record/Repro Unit (1 each)	AN/USQ-69B(V) Dual Channel Data Terminal Set (1 each)	AN/USQ-69B(V) Dual Channel Data Terminal Set (1 each)
CV-3476 Signal Data Converter (1 each)	CV-3953 Signal Data Converter (1 each)	CV-3953 Signal Data Converter (1 each)	CV-3953 Signal Data Converter (1 each)
AN/UYPK-44(V) Data Processing Set (2 each)	AN/UYPK-44(V)EP Data Processing Set (2 each)	AN/UYPK-44(V)EP Data Processing Set (2 each)	AN/UYPK-44(V) EP/OSM Data Processing Set (2 each)
	SA-2497 Data Signal Switching Unit (1 each)	SA-2497 Data Signal Switching Unit (1 each)	SA-2497 Data Signal Switching Unit (1 each)

OU-131 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP	OU-162 CONVERSION SWITCHING GROUP
SA-2164 Data Signal Switching Unit (1 each)			

OD-146 INDICATOR CONTROL GROUP	OD-201 INDICATOR CONTROL GROUP	OD-201 INDICATOR CONTROL GROUP	OD-220 INDICATOR CONTROL GROUP
OD-146 Display Console (5 each)	OD-201 Display Console (5 each)	OD-201 Display Console (5 each)	OD-220 Display Console (5 or 8 each)
PP-7433 Power Supply (5 each)	PP-7433 Power Supply (5 each)	PP-7433 Power Supply (5 each)	
C-10330 Indicator Control Box (5 each)	C-11619 Indicator Control Box (5 each)	C-11619 Indicator Control Box (5 each)	
KY-844 Keyboard Controller (5 each)	KY-900 Keyboard Controller (5 each)	KY-900 Keyboard Controller (5 each)	506 0001E Keyboard (5 or 8 each)
	MX-10719 Position Entry Module (5 each)	MX-10719 Position Entry Module (5 each)	625-G2520-2 Trackball (5 or 8 each)
505580-1 Illuminated Writing Panel (5 each)	512890-2 Illuminated Writing Panel (5 each)	512890-2 Illuminated Writing Panel (5 each)	Writing Panel P/N 512890 (5 or 8 each)
C-10329 Interrogator Set Control (1 each)	C-11618 Interrogator Set Control (1 each)	C-11618 Interrogator Set Control (1 each)	C-11618 Interrogator Set Control (1 each)
RD-379A(V)/UNH Magnetic Recorder/Reproducer (1 each)	RD-379A(V)/UNH Magnetic Recorder/Reproducer (1 each)	RC-3212 or WordSafe Maxima Video Recorder/Reproducer (1 each)	WordSafe Maxima Video Recorder/Reproducer (1 each)
Junction Box 502799-1 (4 each)	Junction Box 502799-1 (4 each)	Junction Box 502799-1 (4 each)	Junction Box 502799-1 (4 or 8 each)
Junction Box 502799-100 (1 each)	Junction Box 502799-100 (1 each)	Junction Box 502799-100 (1 each)	Junction Box 502799-100 (1 each)

2. Physical Description. All of the components listed below are the same as the AN/TPX-42A(V)13 with the exception of the OD-220 Display console.

AN/TPX-42(V)14				
NOMENCLATURE	HEIGHT	WIDTH	DEPTH	WEIGHT
CP-1716A/TPX-42A(V) Track Processor	13.00	19.00	23.00	93
CV-3477 A/D Converter	5.25	4.25	17.75	13
CP-2177 Video Signal Processor	13.00	19.00	23.00	93

AN/TPX-42(V)14				
NOMENCLATURE	HEIGHT	WIDTH	DEPTH	WEIGHT
MT-6440 Electrical Cabinet	65.00	27.25	29.75	100
MT-6443 Electrical Cabinet	65.00	27.25	29.75	100
AN/USQ-69B(V) Single Channel	20.00	19.00	27.25	147
CV-3953 Signal Data Converter	22.75	19.00	20.00	128
AN/UYK-44(V) Data Processing Set	20.00	19.25	21.25	220
SA-2497/TPX42A(V) Data Signal Switching Unit	9.00	23.50	49.00	58
SA-2164 Data Signal Switching Unit	9.00	23.50	19.00	58
OD-220 Display Console	49.31	30.03	32.50	695

Note: All OD-220 group components are contained within or on the OD-220 Display Console.

3. New Development Introduction. The AN/TPX-42A(V)14 is a new procurement for LHA, LHD, CV, and CVN ships. New platforms will originally receive the AN/TPX-42A(V)14 system configuration. Existing AN/TPX-42A(V)8 and AN/TPX-42A(V)13 systems are being upgraded to the AN/TPX-42A(V)14 configuration through the use of field change kits. The four unique AN/TPX-42A(V)12 configurations will also be upgraded with AN/TPX-42A(V)14 kits.

4. Significant Interfaces. The AN/TPX-42A(V)14 operates in conjunction with several shipboard radar systems and requires trigger and azimuth data so the DAIR information can be superimposed on and correlated with the primary video. The system interfaces are listed below:

- AN/UPX-37 Digital Interrogator
- ACDS
- NTDS
- KCMX
- PALS
- AN/USQ-82(V) SDMS
- AN/SPN-43 series Radar System and alternate radar sources
- AN/UPX-23, AN/UPX-25, AN/UPX-27 IFF interrogators
- RD-379A/UNH Recorder-Reproducer and SG-1064/U Time Code Generator
- SB-1505, SB-4149, SB-4229 Radar Switchboards

5. New Features, Configurations, or Material. The AN/TPX-42A(V)14 is a retrofit procurement for LHA, LHD, CV, and CVN ships. Some of the improvements over the other configurations are:

- Improved IFF processor increases target capacities from 200 to more than 800 per scan
- Radar track processor with 200 tracks and scan capability in the 60-nm mode
- IFF and radar track correlation
- Sixty percent faster refresh rate on the indicators with 50 percent greater symbol and data display capacity
- Enhanced AN/UYK-44 computer with 68040 microprocessor based processing power
- Quick action key sequences
- Expanded ACDS interface
- Four versus three navigational sources
- Elimination of the old IFF Normal-Emergency switch and its restrictions
- Stiff stick replaced by a trackball
- Additional interface ports for expansion to CVNS, SYS-2, etc.
- Virtual elimination of "coasting" tracks through better processors and improved tracking software algorithms
- Improved hardware design for even better uptime and easier maintainability
- A track can be initiated and maintained on skin paint, IFF position data only, Mode 1, Mode C, Mode 3, and Mode 2, or any combination of the same.

H. CONCEPTS

1. Operational Concept. The CATCC DAIR and AATCC DAIR systems are Air Traffic Control systems in which an operator (or team of operators) control air traffic via the display devices. Operation includes gathering and assembling information for air traffic within a given area. AATCC DAIR system operators require Air Traffic Controllers (AC) with NEC 6903. The operators of the CATCC DAIR system require personnel in the AC rating with NEC 6902.

2. Maintenance Concept. The maintenance concepts for the AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13, and AN/TPX-42(V)14 are based on two levels of maintenance, organizational and depot. No intermediate level maintenance is required.

a. Organizational. Per OPNAVINST 4790.4B, organizational level maintenance for AATCC DAIR and CATCC DAIR consists of using Built-In Test (BIT) to isolate faults, system operational checks, alignments, adjustments, and repairs. Repairs are made by isolating discrete chassis components, modules, or digital circuit cards, and replacing the failed items.

Those components not repairable at the organizational level are returned to the depot facility through the supply system for disposition per repairable turn-in procedures described in Naval Supply Systems Command (NAVSUP) Publication 485 and the Master Repairable List, NAVSUP Publication 4107-N. The organizational maintenance on AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13 is performed by Electronic Technicians (ETs) with

NEC 1568, also ETs with NEC 1576 perform maintenance on AN/TPX-42(V)8 only. The maintenance on AN/TPX-42(V)14 performed by ETs with NEC 15XX.

(1) Preventive Maintenance. Organizational level Preventive Maintenance (PM) in support of the AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13, and AN/TPX-42(V)14 is accomplished per Maintenance Requirement Cards (MRCs) and maintenance instruction manuals prepared for the system. PM consists of inspection, cleaning, lubricating, pressurization checks, calibration, and operational checks.

(2) Corrective Maintenance. Organizational level Corrective Maintenance (CM) in support of the AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13, and AN/TPX-42(V)14 consists of fault isolation of Weapon Replaceable Assemblies (WRAs) and Shop Replaceable Assemblies (SRAs) using BIT equipment and special purpose electronic test equipment. CM also includes removal and replacement of WRAs and SRAs, and operational test to verify repairs.

b. Intermediate. No intermediate maintenance is required to support the AN/TPX-42(V)8, AN/TPX-42(V)12, AN/TPX-42(V)13, and AN/TPX-42(V)14.

c. Depot. Depot level maintenance responsibilities include restoration of repairables which are beyond the organizational level capability including inspection, test, repair, modification, alteration, modernization, conversion, overhaul, reclamation, or rebuilding of parts, assemblies, subassemblies, components, and equipment to "like new" condition. Common DAIR items (common to the AN/TPX-42A(V)5 DAIR) will be repaired at the Sacramento Air Logistics Center, McClellan Air Force Base, California, under a joint task agreement. The contractor will repair all AATCC DAIR and CATCC DAIR unique items at the depot level until the proposed Material Support Date of March 2002.

d. Interim Maintenance. Mobile Technical Units are and will be providing technical assistance to the organizational level technicians. Engineering technical services are available through NAWCAD St. Inigoes on an on-call basis.

e. Life-Cycle Maintenance Plan. The AATCC DAIR and CATCC DAIR have no established Life-Cycle Maintenance Plan. The AATCC DAIR and CATCC DAIR are maintained through scheduled and unscheduled inspections until the components become unserviceable.

3. Manning Concept. The installation of the AN/TPX-42A(V)14 will not change operator or maintainer requirements for current CV, CVN, LHA, and LHD ship manpower. The operators of the AN/TPX-42A(V)14 are ACs with NEC 6902 and 6903. Navy Electronics Technician (ET) personnel completing pipeline course C-103-2056 at Naval Air Technical Training Center (NATTC) Pensacola will be awarded NEC 15XX (awaiting approval), AN/TPX-42A(V)14 Shipboard DAIR Maintenance Technician. Technicians with NEC 1568 (AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician) and 1576 (CATCC DAIR Maintenance Technician) who receive delivery training at NAWCAD St. Inigoes will have to submit a request

for the award of NEC 15XX. Ships having the AN/TPX-42A(V)14 installed must update manpower documents to reflect the change to new NEC 15XX. ETs perform maintenance on the applicable configuration.

4. Training Concept. Initial operator (AC) and maintainer (ET) training on the AN/TPX-42A(V)14 configuration began in first quarter FY99 at NAWCAD St. Inigoes. Follow-on training for CATCC and AATCC operators and maintainers is being conducted on AN/TPX-42(V)8, AN/TPX-42(V)12, and AN/TPX-42(V)13 configurations at NATTC Pensacola. Follow-on training on the AN/TPX-42A(V)14 configuration will begin in FY02 at NATTC Pensacola, requiring a new course. Until NATTC Pensacola is on-line, NAWCAD St. Inigoes will conduct operator, maintainer, and instructor training. Technicians completing on-the-job training for AN/TPX-42(V)8 must submit a request for the awarding of NEC 1576 via chain of command since this NEC is no longer assigned as part of formal training.

a. Initial Training. Initial training for the AN/TPX-42A(V)8, 12, and 13 have been completed. Initial training for the AN/TPX-42A(V)14 has been developed and is being provided by NAWCAD St. Inigoes. This training, which began in first quarter FY99, consists of difference training. Initial training for the AN/TPX-42A(V)14 is ongoing and being conducted for each command during installation.

Title	AN/TPX-42A(V)14 Initial Operator
Description	This course familiarizes operators with differences between the AN/TPX-42A(V)14 and AN/TPX-42A(V)8, AN/TPX-42A(V)12, and AN/TPX-42A(V)13
Location	NAWCAD St. Inigoes
Length	5 days
RFT date	FY99
TTE/TD.....	Refer to Part IV.A.1
Prerequisites	C-222-2010, Air Traffic Controller NECs 6902 or 6903

Title	AN/TPX-42A(V)14 Initial Maintenance
Description	This course familiarizes maintainers with differences between the AN/TPX-42A(V)14 and AN/TPX-42A(V)8, AN/TPX-42A(V)12, and AN/TPX-42A(V)13.
Location	NAWCAD St. Inigoes
Length	19 days
RFT date	FY99

TTE/TD..... Refer to Part IV.A.1
 Prerequisites A-100-0138, Electronics Technician Core A School
 A-100-0140, Electronics Technician Strand A School
 NECs 1568 or 1576

b. Follow-on Training

Title **Carrier Air Traffic Control Center Operations**
 CIN C-222-2012
 Model Manager .. NATTC Pensacola
 Description This course provides operators with operational procedures
 for the CATCC systems.
 Location NATTC Pensacola
 Length..... 40 days
 RFT date Currently available
 Skill identifier AC 6902
 TTE/TD Refer to Part IV.A.1
 Prerequisites C-222-2010, Air Traffic Controller

Title **Amphibious Air Traffic Control Center Operations**
 CIN C-222-2019
 Model Manager .. NATTC Pensacola
 Description This course provides operators with operational procedures
 for the AATCC systems.
 Location NATTC Pensacola
 Length..... 40 days
 RFT date Currently available
 Skill identifier..... AC 6903
 TTE/TD..... Refer to Part IV.A.1

Prerequisites C-222-2010, Air Traffic Controller

Note: Officers filling billets with Navy Officer Billet Classification (NOBC) 8658 will attend two week course C-2G-2019, CATCC DAIR Operations Officer, or C-2G-XXXX, AATCC DAIR Operations Officer course.

Title **AN/TPX42A(V)13 Shipboard DAIR Maintenance Technician Pipeline**

CIN C-103-2055, Path: 2

Model Manager .. NATTC Pensacola

Description This course provides instruction on the organizational maintenance of the AN/TPX-42A(V) 8, 12, and 13 DAIR.

Location NATTC Pensacola

Length 131 days

RFT date Currently available

Skill identifier..... ET 1568

TTE/TD..... Refer to Part IV.A.1

Prerequisite..... A-100-0138, Electronics Technician Core A School
A-100-0140, Electronics Technician Strand A School

Title **AN/TPX42A(V)14 Shipboard DAIR Maintenance Technician Pipeline**

CIN C-103-2056

Model Manager .. NATTC Pensacola

Description This course will provide instruction on the organizational maintenance of the AN/TPX-42A(V)14 DAIR.

Location NATTC Pensacola

Length 96 days

RFT date First quarter FY02

Skill identifier..... ET 15XX

TTE/TD..... Refer to Part IV.A.1

Prerequisite..... A-100-0138, Electronics Technician Core A School
A-100-0140, Electronics Technician Strand A School

c. Student Profiles

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
ET 1568, 15XX	A-100-0138, Electronics Technician Core A School A-100-0140, Electronics Technician Strand A School
AC 6902, 6903	C-222-2010, Air Traffic Controller

d. Training Pipelines

(1) C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline. The required changes to the course C-103-2054 will remove Type 8 curriculum and be reduced by two weeks in length in second quarter FY01. AN/TPX42A(V)8 curriculum will be eliminated from the course pipeline. Current facility constraints require removal of AN/TPX42A(V)8 components to facilitate the installation of the AN/TPX42A(V)14 system.

(2) C-103-2056, AN/TPX42A(V)14 Shipboard DAIR Maintenance Technician Pipeline. A new course C-103-2056 will be established and begin training in first quarter FY02 to include AN/TPX-42A(V)14 familiarization, maintenance, and operation. Upon completion of the pipeline course, personnel will receive NEC 15XX. The course length will be nine weeks. The course pipeline will be 13 weeks.

I. ON-BOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development. AC personnel with NEC 6902 and 6903 are required attend the following formal training to maintain proficiency on the CATCC and AATCC DAIR systems.

Title	Carrier Air Traffic Control Center Fundamentals Course
CIN	C-222-2014
Model Manager ..	NATTC Pensacola
Description	This course provides apprentice-level ACs with fundamental carrier air traffic control knowledge.
Location	NATTC Pensacola
Length	40 days
RFT date	Currently available

Skill identifier..... None
TTE/TD..... Refer to Part IV.A.1
Prerequisites C-222-2010, Air Traffic Controller

Title **Carrier Air Traffic Control Center Team Training**
CIN C-222-2017
Model Manager .. NATTC Pensacola
Description This course provides refresher training to ACs to ensure proficiency with operational procedures CATCC systems.
Location NATTC Pensacola
Length 12 days
RFT date Currently available
Skill identifier..... None
TTE/TD..... Refer to Part IV.A.1
Prerequisites C-222-2010, Air Traffic Controller

Title **Amphibious Air Traffic Control Center Team Training**
CIN C-222-2020
Model Manager .. NATTC Pensacola
Description This course provides refresher training to ACs to ensure proficiency with operational procedures AATCC systems.
Location NATTC Pensacola
Length 12 days
RFT date Currently available
Skill identifier..... None
TTE/TD..... Refer to Part IV.A.1
Prerequisites C-222-2010, Air Traffic Controller

a. Maintenance Training Improvement Program. NA

b. Aviation Maintenance Training Continuum System. NA

2. Personnel Qualification Standards. The CV and CVN CATCC Personnel Qualification Standards (PQS) NAVEDTRA 43496-6C was approved in February 1998. Changes to PQS will be required to accommodate AN/TPX-42A(V)14 hardware and software.

3. Other On-Board or In-Service Training Packages. NA

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
N00039-81-C-016J, N00039-84-C-0334, N00039-84-C-0411, N00019-90-C-0219	Telephonics Corporation, Command Systems Division (formerly Eaton Corporation, Command Systems Division)	815 Broad Hollow Road Farmingdale, NY 11735
N00421-97-C-1434	Marconi	6500 Tracor Lane Austin, TX 78725-2050

2. Program Documentation. The Integrated Logistics Support Plan (ILSP) for the AN/TPX-42A(V)12 is NAVAIR ATC ILSP-0007 (Revision 2), dated February 1992. The Operational Logistics Support Summary (OLSS) for the AN/TPX-42A(V)8 is Space and Naval Warfare Systems Command SPAWAR P4110.524, dated January 1985. The AN/TPX-42A(V)12 ILSP will be updated to incorporate the AN/TPX-42A(V)13 and AN/TPX-42A(V)14 configurations and is expected to be completed by July 2000.

3. Technical Data Plan. Planned Maintenance System documentation for AATCC and CATCC DAIR has been developed by NAWCAD St. Inigoes. NAWCAD St. Inigoes has developed operator manuals for AATCC and CATCC DAIR. The technical documentation, including maintenance and troubleshooting procedures, logic flow diagrams, illustrated parts breakdown, and performance and maintenance standards for each assembly of the AATCC and CATCC DAIR System is available in manuscript format.

Documentation for equipment utilized with other DAIR configurations [e.g., AN/UYK-44(V), AN/USH-26(V)] is currently available. A detailed listing of publications is contained in Section IV.B.4 of this NTSP. Technical manuals will conform to MIL-STD-15071H and MIL-M-38784A. Final AN/TPX-42A(V)12 and AN/TPX-42A(V)13 configuration manuals were procured under contract N00019-90-C-0219. A 65 percent in-process review was held in May 1992. The manufacturer delivers two sets of manuals with each system. The AN/TPX-42A(V)14 manuals will be delivered after installation of the system is complete.

4. Test Sets, Tools, and Test Equipment. The AN/TPM-32 VSP Test set is Special Purpose Electronic Test Equipment (SPETE) required for the CP-1318. Refer to Part IV.A.1 for applicable Technical Training Equipment (TTE) for CATCC DAIR and AATCC DAIR systems.

5. Repair Parts. The CATCC and AATCC DAIR Systems will be supported through Naval Inventory Control Point (NAVICP), Mechanicsburg, Pennsylvania. The AN/TPX-42A(V)14 proposed Material Support Date (MSD) is March 2002. The common DAIR equipment is already under NAVICP support. The existing AN/TPX-42A(V)8 systems are supported by NAVICP, which has program support responsibilities. Acquisition and supply support procedures are listed in the AN/TPX-42A(V)8 OLSS NAVELEX P4110.524 dated January 1985.

6. Human Systems Integration. NA

K. SCHEDULES

1. Installation and Delivery Schedules

INSTALLATION SCHEDULE OF THE AN/TPX-142A(V)14

ACTIVITY	FY99	FY00	FY01	FY02	FY03	FY04	FY05 AND BEYOND
CVN-72	1						
CVN-69				1			
CVN-76	1						
CVN-68	1						
LHA1	1						
Integrated Combat System Test Facility (ICSTF)		1					
NATTC Pensacola			1				
CV-67			1				
CVN-70				1			
CVN-71				1			
LHD-1					1		
LHD-2							1
CVN-74					1		

ACTIVITY	FY99	FY00	FY01	FY02	FY03	FY04	FY05 AND BEYOND
CVN-73					1		
CVN-65						1	
LHD-4							1
CV-63							1
LHD-3						1	
CVN-75							1
LHD-6							1
LHA-2							1
LHD-5							1
LHA-3							1
LHA-4							1
LHA-5							1
NAWCAD							1
NATTC							1
ICSTF							1

2. Ready For Operational Use Schedule. The AN/TPX-42A(V)14 is ready for operational use at each activity upon completion of retrofit.

3. Time Required to Install at Operational Sites. Time required to retrofit AN/TPX-42A(V)14 on ships with the AN/TPX-42A(V)8 and AN/TPX-42A(V)12s is three months. Retrofit time required on ships with AN/TPX-42A(V)13 is three weeks.

4. Foreign Military Sales and Other Source Delivery Schedule. NA

5. Training Device and Technical Training Equipment Delivery Schedule. Upgrade of the AN/TPX-42A(V)8 to AN/TPX-42A(V)14 TTE is expected to be completed second quarter FY01. Upgrade of the AN/TPX-42A(V)12 and AN/TPX-42A(V)13 TTE to the AN/TPX-42A(V)14 TTE is expected to be completed in FY07.

The AATCC Operator Lab and CATCC Operator Lab 15G30 Training Device (TD) will be modified to replicate AN/TPX-42A(V)14 hardware and software in support of the AATCC and CATCC operator courses.

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT OR NTSP TITLE	DOCUMENT OR NTSP NUMBER	PDA CODE	STATUS
AN/SPN-43 Systems NTP	E-50-8503	PMA213	Approved May 1994
AN/TPX-42A(V)5, 10 NTP	E-50-7005E	PMA213	Approved January 1994
AN/TPX-42A(V)8, 12, 13 NTP	E-50-8502A/A	PMA213	Approved August 1993
AN/FPN-63 NTP	E-50-7404E/A	PMA213	Approved February 1991
CV/CVN CATCC PQS	NAVEDTRA 43496-6A		October 1987
AN/TPX-42A(V)12	NAVAIR ATC ILSP-0007 (Revision 2)	PMA213	Approved February 1992
Operational Logistics Support Summary AN/TPX-42A(V)8	SPAWAR P4110.524	PMA213	Approved January 1985

PART II - BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: Total Force Manpower Management System

DATE: 11/1/99

ACTIVITY, UIC	PFYs	CFY00	FY01	FY02	FY03	FY04
OPERATIONAL ACTIVITIES - NAVY						
CV 64 USS Constellation	03364	1	0	0	0	0
CV 67 USS John F. Kennedy	03367	1	0	0	0	0
CVN 65 USS Enterprise	03365	1	0	0	0	0
CVN 68 USS Nimitz	03368	1	0	0	0	0
CVN 69 USS Dwight D. Eisenhower	03369	1	0	0	0	0
CVN 71 USS Theodore Roosevelt	21247	1	0	0	0	0
CVN 73 USS George Washington	21412	1	0	0	0	0
CVN 75 USS Harry S. Truman	21853	1	0	0	0	0
LHA 2 USS Saipan	20632	1	0	0	0	0
LHA 4 USS Nassau	20725	1	0	0	0	0
LHD 1 USS Wasp	21560	1	0	0	0	0
LHD 3 USS Kearsarge	21700	1	0	0	0	0
LHD 5 USS Bataan	21879	1	0	0	0	0
NAS Jacksonville, Florida	00207	1	0	0	0	0
COMNAVAIRPAC	57025	1	0	0	0	0
CV 63 USS Kitty Hawk	03363	1	0	0	0	0
CVN 70 USS Carl Vinson	20993	1	0	0	0	0
CVN 72 USS Abraham Lincoln	21297	1	0	0	0	0
CVN 74 USS John C. Stennis	21847	1	0	0	0	0
CVN 76 USS Ronald Reagan	22178	0	0	0	1	0
FACSFAC Pearl Harbor, Hawaii	43583	1	0	0	0	0
FACSFAC San Diego, California	09528	1	0	0	0	0
LHA 1 USS Tarawa	20550	1	0	0	0	0
LHA 3 USS Belleau Wood	20633	1	0	0	0	0
LHA 5 USS Peleliu	20748	1	0	0	0	0
LHD 2 USS Essex	21533	1	0	0	0	0
LHD 4 USS Boxer	21808	1	0	0	0	0
LHD 6 USS Bonhomme Richard	22202	1	0	0	0	0
LHD 7 USS Iwo Jima	23027	1	0	0	0	0
MCS 12 USS Inchon	20009	1	0	0	0	0
NAS Lemoore, California	63042	1	0	0	0	0
NAS North Island ALF Clemens Island	31466	1	0	0	0	0
TOTAL:		31	0	0	1	0
FLEET SUPPORT ACTIVITIES - NAVY						
COMNAVSAFECEN AVIA SAFETY	48570	1	0	0	0	0
EWTGLANT Little Creek GST	42152	1	0	0	0	0
FCDIT Norfolk, Virginia	43594	1	0	0	0	0
FTSCLANT Norfolk, Virginia	65912	1	0	0	0	0
NAWCAD Saint Inigoes, Maryland	64485	1	0	0	0	0
FASOTRAGRUPAC DET Ship Training Team	35947	1	0	0	0	0
FTSCPAC San Diego	55304	1	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: Total Force Manpower Management System

DATE: 11/1/99

ACTIVITY, UIC		PFYs	CFY00	FY01	FY02	FY03	FY04
TACRON 12 DET WestPac	55623	1	0	0	0	0	0
TOTAL:		8	0	0	0	0	0

Note: Some activities listed above have CATCC and AATC DAIR manpower but do not appear on the delivery schedule to receive CATCC or AATC DAIR assets.

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
OPERATIONAL ACTIVITIES - NAVY					
CV 64 USS Constellation, 03364					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	25			
CV 67 USS John F. Kennedy, 03367					
ACDU	0	1	ACC	6902	
	0	3	AC1	6902	
	0	11	AC2	6902	
	0	5	AC3	6902	
	0	1	ET1	1576	
	0	2	ET3	1576	
TAR	0	1	AC1	6902	
	0	1	AC3	6902	
CV 67 USS John F. Kennedy, 03367, FY02 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	28			
CVN 65 USS Enterprise, 03365					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN 65 USS Enterprise, 03365, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 68 USS Nimitz, 03368					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	5	AC1	6902	
	0	10	AC2	6902	
	0	5	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
SELRES	0	1	AC3	6902	
CVN 68 USS Nimitz, 03368, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
CVN 69 USS Dwight D. Eisenhower, 03369					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	2	ET3	1576	
SELRES	0	1	ET1	1576	
CVN 69 USS Dwight D. Eisenhower, 03369, FY02 Increment					
ACDU	0	2	ET3	15XX	
SELRES	0	1	ET1	15XX	
ACTIVITY TOTAL:	0	29			
CVN 71 USS Theodore Roosevelt, 21247					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1576	
	0	2	ET3	1576	
CVN 71 USS Theodore Roosevelt, 21247, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 73 USS George Washington, 21412					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	5	AC3	6902	
	0	1	ET1	1576	
	0	2	ET3	1576	
SELRES	0	1	AC3	6902	
CVN 73 USS George Washington, 21412, FY03 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
CVN 75 USS Harry S. Truman, 21853					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN 75 USS Harry S. Truman, 21853, FY04 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
LHA 2 USS Saipan, 20632					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA 2 USS Saipan, 20632, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	16			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHA 4 USS Nassau, 20725					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA 4 USS Nassau, 20725, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	16			
LHD 1 USS Wasp, 21560					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD 1 USS Wasp, 21560, FY03 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	16			
LHD 3 USS Kearsarge, 21700					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD 3 USS Kearsarge, 21700, FY03 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	16			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHD 5 USS Bataan, 21879					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD 5 USS Bataan, 21879, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	16			
NAS Jacksonville, Florida, 00207					
ACDU	0	1	ACCS	6901	6902
	0	2	ACC	6901	6902
	0	20	AC1	6901	6902
	0	18	AC2	6901	6902
	0	10	AC3	6901	6902
ACTIVITY TOTAL:	0	51			
COMNAVAIRPAC, 57025					
ACDU	0	1	ACCS	6902	
ACTIVITY TOTAL:	0	1			
CV 63 USS Kitty Hawk, 03363					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	26			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 70 USS Carl Vinson, 20993					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN 70 USS Carl Vinson, 20993, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
CVN 72 USS Abraham Lincoln, 21297					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN 72 USS Abraham Lincoln, 21297, FY01 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			
CVN 74 USS John C. Stennis, 21847					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	1568	
	0	2	ET3	1568	
CVN 74 USS John C. Stennis, 21847, FY04 Increment					
ACDU	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	29			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 76 USS Ronald Reagan, 22178, FY02 Increment					
ACDU	0	1	ACCS	6902	
	0	1	ACC	6902	
	0	4	AC1	6902	
	0	11	AC2	6902	
	0	6	AC3	6902	
	0	1	ET1	15XX	
	0	2	ET3	15XX	
ACTIVITY TOTAL:	0	26			
FACSFAC Pearl Harbor, Hawaii, 43583					
ACDU	0	4	AC1	6902	
ACTIVITY TOTAL:	0	4			
FACSFAC San Diego, California, 09528					
ACDU	0	1	ACC	6902	
ACTIVITY TOTAL:	0	1			
LHA 1 USS Tarawa, 20550					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA 1 USS Tarawa, 20550, FY01 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	16			
LHA 3 USS Belleau Wood, 20633					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA 3 USS Belleau Wood, 20633, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	16			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHA 5 USS Peleliu, 20748					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
LHA 5 USS Peleliu, 20748, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	9602	15XX
ACTIVITY TOTAL:	0	16			
LHD 2 USS Essex, 21533					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD 2 USS Essex, 21533, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	16			
LHD 4 USS Boxer, 21808					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD 4 USS Boxer, 21808, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	16			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHD 6 USS Bonhomme Richard, 22202					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	9	AC2	6903	
	0	1	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
LHD 6 USS Bonhomme Richard, 22202, FY04 Increment					
ACDU	0	1	ET2	9602	15XX
	0	1	ET3	15XX	
ACTIVITY TOTAL:	0	16			
LHD 7 USS Iwo Jima, 23027					
ACDU	0	1	ACC	6903	
	0	1	AC1	6903	
	0	7	AC2	6903	
	0	3	AC3	6903	
	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	14			
MCS-12 USS Inchon, 20009					
ACDU	0	1	ACC	6903	
TAR	0	1	AC1	6903	
	0	3	AC2	6903	
	0	1	AC3	6903	
SELRES	0	2	AC2	6903	
	0	1	AC3	6903	
ACTIVITY TOTAL:	0	9			
NAS Lemoore, California, 63042					
ACDU	0	1	ACCM	6901	6902
ACTIVITY TOTAL:	0	1			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAS North Island ALF Clemens Island, 31466					
ACDU	0	1	ACCM	6902	
	0	2	ACC	6902	
	0	4	AC1	6902	
	0	10	AC2	6902	
	0	7	AC3	6902	
	0	2	ACAN	6902	
ACTIVITY TOTAL:	0	26			
FLEET SUPPORT ACTIVITIES - NAVY					
COMNAVSAFECEN AVIA SAFETY, 48570					
ACDU	0	1	ACCS	6902	
ACTIVITY TOTAL:	0	1			
EWTGLANT Little Creek GST, 42152					
ACDU	0	1	AC1	6903	9502
ACTIVITY TOTAL:	0	1			
FCDIT Norfolk, Virginia, 43594					
ACDU	0	1	ETC	1576	1471
FCDIT Norfolk, Virginia, 43594, FY02 Increment					
ACDU	0	1	ETC	15XX	1471
ACTIVITY TOTAL:	0	2			
FTSCLANT Norfolk, Virginia, 65912					
ACDU	0	1	ETC	1568	1507
FTSCLANT Norfolk, Virginia, 65912, FY01 Increment					
ACDU	0	1	ETC	15XX	1507
ACTIVITY TOTAL:	0	2			
NAWCAD Saint Inigoes, Maryland, 64485					
ACDU	0	1	ACCM	6902	
	0	2	ACC	6902	
ACTIVITY TOTAL:	0	3			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FASOTRAGRUPAC DET Ship Training Team, 35947					
ACDU	0	1	ACCS	6902	
ACTIVITY TOTAL:	0	1			
FTSCPAC San Diego, 55304					
SELRES	0	1	ETC	1523	1576
FTSCPAC San Diego, 55304, FY02 Increment					
SELRES	0	1	ETC	1523	15XX
ACTIVITY TOTAL:	0	2			
TACRON 12 DET WestPac, 55623					
ACDU	0	1	AC2	6903	
ACTIVITY TOTAL:	0	1			

Note: All ACs with primary or secondary NEC 6902 have to be accounted for to accurately calculate projected AC 6902 student throughput.

Note: The USS Kitty Hawk's billets will change in FY05, which will be in future updates of the CATCC and ATCC DAIR NTSP.

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - ACDU														
ACCM	6901	6902		1		0		0		0		0		0
ACCM		6902		1		0		0		0		0		0
ACCS	6901	6902		1		0		0		0		0		0
ACCS		6902		12		0		0		1		0		0
ACC	6901	6902		2		0		0		0		0		0
ACC		6902		15		0		0		1		0		0
ACC		6903		13		0		0		0		0		0
AC1	6901	6902		20		0		0		0		0		0
AC1		6902		56		0		0		4		0		0
AC1		6903		12		0		0		0		0		0
AC2	6901	6902		18		0		0		0		0		0
AC2		6902		141		0		0		11		0		0
AC2		6903		86		0		0		0		0		0
AC3	6901	6902		10		0		0		0		0		0
AC3		6902		76		0		0		6		0		0
AC3		6903		34		0		0		0		0		0
ACAN		6902		2		0		0		0		0		0
ET1	15XX			0		0		5		2		1		2
ET1	1568			8		0		0		0		0		0
ET1	1576			3		0		0		0		0		0
ET2	9602	15XX		0		0		1		0		2		8
ET2	9602	1568		12		0		0		0		0		0
ET3	15XX			0		0		10		6		4		8
ET3	1568			22		0		0		0		0		0
ET3	1576			8		0		0		0		0		0
ET3	9602	15XX		0		0		1		0		0		4
ET3	9602	1568		5		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - TAR														
AC1		6902		1		0		0		0		0		0
AC1		6903		1		0		0		0		0		0
AC2		6903		3		0		0		0		0		0
AC3		6902		1		0		0		0		0		0
AC3		6903		1		0		0		0		0		0
NAVY OPERATIONAL ACTIVITIES - SELRES														
AC2		6903		2		0		0		0		0		0
AC3		6902		2		0		0		0		0		0
AC3		6903		1		0		0		0		0		0
ET1		15XX		0		0		0		1		0		0
ET1		1576		1		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU														
ACCM		6902		1		0		0		0		0		0
ACCS		6902		2		0		0		0		0		0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACC	6902		2	0		0		0		0		0	
AC1	6903 9502		1	0		0		0		0		0	
AC2	6903		1	0		0		0		0		0	
ETC	15XX 1471		0	0		0		1		0		0	
ETC	15XX 1507		0	0		1		0		0		0	
ETC	1568 1507		1	0		0		0		0		0	
ETC	1576 1471		1	0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
ETC	1523 15XX		0	0		0		1		0		0	
ETC	1523 1576		1	0		0		0		0		0	
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - ACDU													
			558	0		17		31		7		22	
NAVY OPERATIONAL ACTIVITIES - TAR													
			7	0		0		0		0		0	
NAVY OPERATIONAL ACTIVITIES - SELRES													
			6	0		0		1		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
			9	0		1		1		0		0	
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
			1	0		0		1		0		0	
GRAND TOTALS:													
NAVY - ACDU													
			567	0		18		32		7		22	
NAVY - TAR													
			7	0		0		0		0		0	
NAVY - SELRES													
			7	0		0		2		0		0	

II.A.2.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY DEACTIVATION SCHEDULE

SOURCE: Total Force Manpower Management System

DATE: 11/1/99

ACTIVITY, UIC		PFYs	CFY00	FY01	FY02	FY03	FY04
OPERATIONAL ACTIVITIES - NAVY							
CV 64 USS Constellation	03364	0	0	0	1	0	0
TOTAL:		0	0	0	1	0	0

II.A.2.b. BILLETTS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
OPERATIONAL ACTIVITIES - NAVY					
CV 67 USS John F. Kennedy, 03367, FY01 Increment					
ACDU	0	1	AC2	6902	
	0	1	AC3	6902	
TAR	0	1	AC1	6902	
	0	1	AC3	6902	
CV 67 USS John F. Kennedy, 03367, FY02 Increment					
ACDU	0	1	ET1	1576	
	0	2	ET3	1576	
ACTIVITY TOTAL:	0	7			
CVN 65 USS Enterprise, 03365, FY01 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			
CVN 68 USS Nimitz, 03368, FY00 Increment					
ACDU	0	1	ACC	6902	
	0	3	AC2	6902	
CVN 68 USS Nimitz, 03368, FY01 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	7			
CVN 69 USS Dwight D. Eisenhower, 03369, FY01 Increment					
ACDU	0	1	AC3	6902	
CVN 69 USS Dwight D. Eisenhower, 03369, FY02 Increment					
ACDU	0	2	ET3	1576	
SELRES	0	1	ET1	1576	
ACTIVITY TOTAL:	0	4			
CVN 71 USS Theodore Roosevelt, 21247, FY01 Increment					
ACDU	0	1	ET1	1576	
	0	2	ET3	1576	
ACTIVITY TOTAL:	0	3			

II.A.2.b. BILLETTS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETTS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 73 USS George Washington, 21412, FY03 Increment					
ACDU	0	1	ET1	1576	
	0	2	ET3	1576	
ACTIVITY TOTAL:	0	3			
CVN 75 USS Harry S. Truman, 21853, FY04 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			
LHA 2 USS Saipan, 20632, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHA 4 USS Nassau, 20725, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHD 1 USS Wasp, 21560, FY03 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
LHD 3 USS Kearsarge, 21700, FY03 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
LHD 5 USS Bataan, 21879, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			

II.A.2.b. BILLETTS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
CVN 70 USS Carl Vinson, 20993, FY01 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
CVN 70 USS Carl Vinson, 20993, FY03 Increment					
ACDU	0	1	ACC	6902	
	0	1	AC1	6902	
	0	8	AC2	6902	
	0	3	AC3	6902	
ACTIVITY TOTAL:	0	16			
CVN 72 USS Abraham Lincoln, 21297, FY01 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			
CVN 74 USS John C. Stennis, 21847, FY04 Increment					
ACDU	0	1	ET1	1568	
	0	2	ET3	1568	
ACTIVITY TOTAL:	0	3			
LHA 1 USS Tarawa, 20550, FY01 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHA 3 USS Belleau Wood, 20633, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHA 5 USS Peleliu, 20748, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	9602	1568
ACTIVITY TOTAL:	0	2			
LHD 2 USS Essex, 21533, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			

II.A.2.b. BILLETTS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
LHD 4 USS Boxer, 21808, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
LHD 6 USS Bonhomme Richard, 22202, FY04 Increment					
ACDU	0	1	ET2	9602	1568
	0	1	ET3	1568	
ACTIVITY TOTAL:	0	2			
FLEET SUPPORT ACTIVITIES - NAVY					
FCDIT Norfolk, Virginia, 43594, FY02 Increment					
ACDU	0	1	ETC	1576	1471
ACTIVITY TOTAL:	0	1			
FTSCLANT Norfolk, Virginia, 65912, FY01 Increment					
ACDU	0	1	ETC	1568	1507
ACTIVITY TOTAL:	0	1			
FTSCPAC San Diego, 55304, FY02 Increment					
SELRES	0	1	ETC	1523	1576
ACTIVITY TOTAL:	0	1			

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY OPERATIONAL ACTIVITIES - ACDU													
ACCS	6902		1		0		0		-1		0		0
ACC	6902		3		-1		0		-1		-1		0
AC1	6902		8		0		0		-4		-1		0
AC2	6902		43		-3		-1		-11		-8		0
AC3	6902		23		0		-2		-6		-3		0
ET1	1568		7		0		-4		-1		0		-2
ET1	1576		3		0		-1		-1		-1		0
ET2	9602	1568	11		0		-1		0		-2		-8
ET3	1568		19		0		-8		-1		-2		-8
ET3	1576		8		0		-2		-4		-2		0
ET3	9602	1568	5		0		-1		0		0		-4
NAVY OPERATIONAL ACTIVITIES - TAR													
AC1	6902		1		0		-1		0		0		0
AC3	6902		1		0		-1		0		0		0
NAVY OPERATIONAL ACTIVITIES - SELRES													
ET1	1576		1		0		0		-1		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
ETC	1568	1507	1		0		-1		0		0		0
ETC	1576	1471	1		0		0		-1		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
ETC	1523	1576	1		0		0		-1		0		0
SUMMARY TOTALS:													
NAVY OPERATIONAL ACTIVITIES - ACDU													
			131		-4		-20		-30		-20		-22
NAVY OPERATIONAL ACTIVITIES - TAR													
			2		0		-2		0		0		0
NAVY OPERATIONAL ACTIVITIES - SELRES													
			1		0		0		-1		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
			2		0		-1		-1		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
			1		0		0		-1		0		0

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
GRAND TOTALS:													
NAVY - ACDU			133		-4		-21		-31		-20		-22
NAVY - TAR			2		0		-2		0		0		0
NAVY - SELRES			2		0		0		-2		0		0

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: NATTC Pensacola, Florida, 63093

INSTRUCTOR BILLETS

ACDU			PFYs		CFY00		FY01		FY02		FY03		FY04	
DESIG	PNEC/SNEC	PMOS/SMOS	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ACCS	6903	9502	0	1	0	1	0	1	0	1	0	1	0	1
ACC	6902	9502	0	5	0	5	0	5	0	5	0	5	0	5
ACC	6903	9502	0	2	0	2	0	2	0	2	0	2	0	2
AC1	6902	9502	0	17	0	17	0	17	0	17	0	17	0	17
AC1	6903	9502	0	5	0	5	0	5	0	5	0	5	0	5
AC2	6903	9502	0	3	0	3	0	3	0	3	0	3	0	3
ETCS	15XX	9502	0	0	0	0	0	0	0	1	0	1	0	1
ETCS	1568	9502	0	1	0	1	0	1	0	0	0	0	0	0
ETC	15XX	9502	0	0	0	0	0	0	0	1	0	1	0	1
ETC	1568	9502	0	1	0	1	0	1	0	0	0	0	0	0
ET1	15XX	1580	0	0	0	0	0	1	0	1	0	1	0	1
ET1	15XX	9502	0	0	0	0	0	2	0	2	0	2	0	2
ET1	1568	9502	0	3	0	3	0	3	0	3	0	3	0	3

SUPPORT BILLETS

ACDU			PFYs		CFY00		FY01		FY02		FY03		FY04	
DESIG	PNEC/SNEC	PMOS/SMOS	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
ET1	1568	1580	0	1	0	1	0	0	0	0	0	0	0	0
TOTAL:			0	39	0	39	0	41	0	41	0	41	0	41

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY00		FY01		FY02		FY03		FY04	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola, Florida, 63093	NAVY		18.9		18.1		16.7		19.8		19.7		21.8
SUMMARY TOTALS:			18.9		18.1		16.7		19.8		19.7		21.8
GRAND TOTALS:			18.9		18.1		16.7		19.8		19.7		21.8

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY00		FY01		FY02		FY03		FY04	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM

a. OFFICER - USN Not Applicable

b. ENLISTED - USN

Operational Billets ACDU and TAR

ACCM	6901	6902	1	0	1	0	1	0	1	0	1	0	1
ACCM	6902		1	0	1	0	1	0	1	0	1	0	1
ACCS	6901	6902	1	0	1	0	1	0	1	0	1	0	1
ACCS	6902		12	0	12	0	12	0	12	0	12	0	12
ACC	6901	6902	2	0	2	0	2	0	2	0	2	0	2
ACC	6902		15	-1	14	0	14	0	14	-1	13	0	13
ACC	6903		13	0	13	0	13	0	13	0	13	0	13
AC1	6901	6902	20	0	20	0	20	0	20	0	20	0	20
AC1	6902		57	0	57	-1	56	0	56	-1	55	0	55
AC1	6903		13	0	13	0	13	0	13	0	13	0	13
AC2	6901	6902	18	0	18	0	18	0	18	0	18	0	18
AC2	6902		141	-3	138	-1	137	0	137	-8	129	0	129
AC2	6903		89	0	89	0	89	0	89	0	89	0	89
AC3	6901	6902	10	0	10	0	10	0	10	0	10	0	10
AC3	6902		77	0	77	-3	74	0	74	-3	71	0	71
AC3	6903		35	0	35	0	35	0	35	0	35	0	35
ACAN	6902		2	0	2	0	2	0	2	0	2	0	2
ET1	15XX		0	0	0	5	5	2	7	1	8	2	10
ET1	1568		8	0	8	-4	4	-1	3	0	3	-2	1
ET1	1576		3	0	3	-1	2	-1	1	-1	0	0	0
ET2	9602	15XX	0	0	0	1	1	0	1	2	3	8	11
ET2	9602	1568	12	0	12	-1	11	0	11	-2	9	-8	1
ET3	15XX		0	0	0	10	10	6	16	4	20	8	28
ET3	1568		22	0	22	-8	14	-1	13	-2	11	-8	3
ET3	1576		8	0	8	-2	6	-4	2	-2	0	0	0
ET3	9602	15XX	0	0	0	1	1	0	1	0	1	4	5
ET3	9602	1568	5	0	5	-1	4	0	4	0	4	-4	0

Fleet Support Billets ACDU and TAR

ACCM	6902		1	0	1	0	1	0	1	0	1	0	1
ACCS	6902		2	0	2	0	2	0	2	0	2	0	2
ACC	6902		2	0	2	0	2	0	2	0	2	0	2
AC1	6903	9502	1	0	1	0	1	0	1	0	1	0	1
AC2	6903		1	0	1	0	1	0	1	0	1	0	1
ETC	15XX	1471	0	0	0	0	0	1	1	0	1	0	1
ETC	15XX	1507	0	0	0	1	1	0	1	0	1	0	1
ETC	1568	1507	1	0	1	-1	0	0	0	0	0	0	0
ETC	1576	1471	1	0	1	0	1	-1	0	0	0	0	0

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY00		FY01		FY02		FY03		FY04	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Staff Billets ACDU and TAR													
ACCS	6903	9502	1	0	1	0	1	0	1	0	1	0	1
ACC	6902	9502	5	0	5	0	5	0	5	0	5	0	5
ACC	6903	9502	2	0	2	0	2	0	2	0	2	0	2
AC1	6902	9502	17	0	17	0	17	0	17	0	17	0	17
AC1	6903	9502	5	0	5	0	5	0	5	0	5	0	5
AC2	6903	9502	3	0	3	0	3	0	3	0	3	0	3
ETCS	15XX	9502	0	0	0	0	0	1	1	0	1	0	1
ETCS	1568	9502	1	0	1	0	1	-1	0	0	0	0	0
ETC	15XX	9502	0	0	0	0	0	1	1	0	1	0	1
ETC	1568	9502	1	0	1	0	1	-1	0	0	0	0	0
ET1	15XX	1580	0	0	0	1	1	0	1	0	1	0	1
ET1	15XX	9502	0	0	0	2	2	0	2	0	2	0	2
ET1	1568	1580	1	0	1	-1	0	0	0	0	0	0	0
ET1	1568	9502	3	0	3	0	3	0	3	0	3	0	3
Chargeable Student Billets ACDU and TAR													
			19	-1	18	-1	17	3	20	0	20	2	22
SELRES Billets													
AC2	6903		2	0	2	0	2	0	2	0	2	0	2
AC3	6902		2	0	2	0	2	0	2	0	2	0	2
AC3	6903		1	0	1	0	1	0	1	0	1	0	1
ETC	1523	15XX	0	0	0	0	0	1	1	0	1	0	1
ETC	1523	1576	1	0	1	0	1	-1	0	0	0	0	0
ET1	15XX		0	0	0	0	0	1	1	0	1	0	1
ET1	1576		1	0	1	0	1	-1	0	0	0	0	0
TOTAL USN ENLISTED BILLETS:													
Operational			565	-4	561	-5	556	1	557	-13	544	0	544
Fleet Support			9	0	9	0	9	0	9	0	9	0	9
Staff			39	0	39	2	41	0	41	0	41	0	41
Chargeable Student			19	-1	18	-1	17	3	20	0	20	2	22
SELRES			7	0	7	0	7	0	7	0	7	0	7
c. OFFICER - USMC			Not Applicable										
d. ENLISTED - USMC			Not Applicable										

II.B. PERSONNEL REQUIREMENTS

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations
COURSE LENGTH: 6.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola, Florida												
	NAVY	ACDU		97		96		95		95		92
		TAR		0		0		0		0		0
		SELRES		0		0		1		0		0
		TOTAL:		97		96		96		95		92

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
COURSE LENGTH: 6.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.12

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola, Florida												
	NAVY	ACDU		34		34		34		34		34
		TAR		1		1		1		1		1
		SELRES		0		1		0		0		0
		TOTAL:		35		36		35		35		35

CIN, COURSE TITLE: C-102-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline
COURSE LENGTH: 17.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.34

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola, Florida												
	NAVY	ACDU		0		0		9		9		6
		TOTAL:		0		0		9		9		6

CIN, COURSE TITLE: C-103-2056, AN/TPX-42(V)14 Shipboard DAIR Maintenance Technician Pipeline
COURSE LENGTH: 14.0 Weeks **TOUR LENGTH:** 36 Months
ATTRITION FACTOR: 10% **BACKOUT FACTOR:** 0.28

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola, Florida												
	NAVY	ACDU		0		0		14		14		27
		SELRES		0		0		0		0		0
		TOTAL:		0		0		14		14		27

II.B.1. ANNUAL TRAINING INPUT REQUIREMENTS

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline

COURSE LENGTH: 19.0 Weeks

TOUR LENGTH: 36 Months

ATTRITION FACTOR: 10%

BACKOUT FACTOR: 0.38

TRAINING ACTIVITY	SOURCE	ACDU/TAR SELRES	CFY00		FY01		FY02		FY03		FY04	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NATTC Pensacola, Florida												
	NAVY	ACDU		13		9		0		0		0
		TOTAL:		13		9		0		0		0

Note: Course Pipeline C-102-2055 will be reduced two weeks in length due to the removal of AN/TPX42A(V)8 curriculum in the second quarter FY01.

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the Carrier Air Traffic Control Center Direct Altitude and Identity Readout and Amphibious Air Traffic Control Direct Altitude and Identity Readout and, therefore, are not included in Part III of this NTSP:

III.A.2. Follow-on Training

III.A.2.c. Unique Courses

PART III - TRAINING REQUIREMENTS

III.A.1. INITIAL TRAINING REQUIREMENTS

COURSE TITLE: AN/TPX-42A(V)14 Initial Maintenance
COURSE DEVELOPER: NAWCAD, St. Inigoes, Maryland
COURSE INSTRUCTOR: NESEA
COURSE LENGTH: 21 Days
ACTIVITY DESTINATIONS: ETs for CV, CVN, LHA, and LHD ships

LOCATION, UIC	BEGIN DATE	STUDENTS		
		OFF	ENL	CIV
NAWCAD, St. Inigoes, Maryland, 47018	Oct 98	TBD	TBD	TBD
		TBD	TBD	Input
		TBD	TBD	AOB
		TBD	TBD	Chargeable

COURSE TITLE: AN/TPX-42A(V)14 Initial Operator
COURSE DEVELOPER: NAWCAD, St. Inigoes, Maryland
COURSE INSTRUCTOR: NESEA
COURSE LENGTH: 5 Days
ACTIVITY DESTINATIONS: ACs for CV, CVN, LHA, LHD ships

LOCATION, UIC	BEGIN DATE	STUDENTS		
		OFF	ENL	CIV
NAWCAD, St. Inigoes, Maryland, 47018	Oct 98	TBD	TBD	TBD
		TBD	TBD	Input
		TBD	TBD	AOB
		TBD	TBD	Chargeable

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, Florida, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	97		96		95		95		92	ATIR
	87		86		86		86		83	Output
	10.1		10.0		9.9		9.9		9.6	AOB
	10.1		10.0		9.9		9.9		9.6	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		1		0		0	ATIR
	0		0		1		0		0	Output
	0.0		0.0		0.1		0.0		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, Florida, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	35		35		35		35		35	ATIR
	32		32		32		32		32	Output
	3.6		3.6		3.6		3.6		3.6	AOB
	3.6		3.6		3.6		3.6		3.6	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		1		0		0		0	ATIR
	0		1		0		0		0	Output
	0.0		0.1		0.0		0.0		0.0	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

III.A.2.b. PLANNED COURSES

CIN, COURSE TITLE: C-102-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, Florida, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		9		9		6	ATIR
	0		0		8		8		5	Output
	0.0		0.0		2.8		2.8		1.9	AOB
	0.0		0.0		2.8		2.8		1.9	Chargeable

CIN, COURSE TITLE: C-103-2056, AN/TPX-42(V)14 Shipboard DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, Florida, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	0		0		14		14		27	ATIR
	0		0		13		13		24	Output
	0.0		0.0		3.5		3.4		6.7	AOB
	0.0		0.0		3.5		3.4		6.7	Chargeable

III.A.3. EXISTING TRAINING PHASED OUT

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, Florida, 63093

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY00		FY01		FY02		FY03		FY04		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	13		9		0		0		0	ATIR
	12		8		0		0		0	Output
	4.4		3.1		0.0		0.0		0.0	AOB
	4.4		3.1		0.0		0.0		0.0	Chargeable

Note: Course Pipeline C-102-2055 will be reduced two weeks in length due to the removal of AN/TPX-42A(V)8 curriculum in second quarter FY01.

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the Carrier Air Traffic Control Center Direct Altitude and Identity Readout and Amphibious Air Traffic Control Direct Altitude and Identity Readout and, therefore, are not included in Part IV of this NTSP:

IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space/Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

IV.A. TRAINING HARDWARE

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, Florida, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0010	Interrogator Set AN/UPX-27	2	Oct 98	GFE	Onboard
0011	Beacon Environment Generator	1	Oct 98	GFE	Onboard
0012	Data Processing System AN/UYK-44(V)	1	Oct 98	GFE	Onboard
0013	Prefaultable modules AN/UYK-44(V)	20	Oct 98	GFE	Onboard

CIN, COURSE TITLE: C-103-2056, AN/TPX-42(V)14 Shipboard DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0010	Interrogator Set AN/UPX-27	2	Jul 01	GFE	Pending
0011	Beacon Environment Generator	1	Jul 01	GFE	Pending
0012	Data Processing System AN/UYK-44(V)	1	Jul 01	GFE	Pending
0013	Prefaultable modules AN/UYK-44(V)	20	Jul 01	GFE	Pending

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
TTE					
0001	Range Indicator	1	Oct 96	GFE	Onboard
0006	Overhead Projector	1	Oct 96	GFE	Onboard
0007	Video Reproducer (AG-1300P)	1	Oct 96	GFE	Onboard
0008	Projection Screen	1	Oct 96	GFE	Onboard
0009	Television Set (XL-100)	1	Oct 96	GFE	Onboard

IV.A.1. TTE / GPTE / SPTE / ST / GPETE / SPETE

ST

0002	Plotting Board, Ship Status (617-1)	10	Oct 96	GFE	Onboard
0003	Headset, Microphone (SNC1436-01)	20	Oct 96	GFE	Onboard
0004	Headset-Chest Set, Electrical (SA7B)	2	Oct 96	GFE	Onboard
0005	Talk-A-Phone (K-AC-505)	3	Oct 96	GFE	Onboard

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

ITEM NO.	EQUIPMENT / TYPE OR RANGE OF REPAIR PARTS	QTY REQD	DATE REQD	GFE CFE	STATUS
ST					
0002	Plotting Board, Ship Status (617-1)	05	Nov 98	GFE	Onboard
0003	Headset, Microphone (SNC1436-01)	16	Nov 98	GFE	Onboard

IV.A.2. TRAINING DEVICES

DEVICE: 15G30
DESCRIPTION: Computer Training Device
MANUFACTURER: Logicon Incorporated
CONTRACT NUMBER: N613339-86-C-0108
TEE STATUS: Completed

TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

QTY	DATE	RFT	STATUS	COURSES
REQD	REQD	DATE		SUPPORTED
1	Oct 96	Oct 96	Onboard	C-222-2012 C-222-2014 C-222-2017 C-222-2019 C-222-2020 C-2G-2019 C-2G-XXXX

IV.B. COURSEWARE REQUIREMENTS

IV.B.1. TRAINING SERVICES

COURSE / TYPE OF TRAINING	SCHOOL LOCATION, UIC	NO. OF PERSONNEL	MAN WEEKS REQUIRED	DATE BEGIN
AN/TPX-42A(V)14 Initial Maintenance	NAWCAD, St. Inigoes, 47018	1	3	Jul 99
AN/TPX-42A(V)14 Initial Operator	NAWCAD, St. Inigoes, 47018	1	1	Jul 99

Note: NAWCAD St. Inigoes is providing the Initial Training (Training Services) for AN/TPX-42A(V)14. This training, which began in October 1998, consists of difference training. This training is ongoing and is now being conducted for each command during installations

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Oct 98	Onboard
Lesson Plans	6	Oct 98	Onboard
Schematic Packages	12	Oct 98	Onboard
Student Guides	12	Oct 98	Onboard

CIN, COURSE TITLE: C-103-2056, AN/TPX-42(V)14 Shipboard DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Oct 01	Pending
Lesson Plans	6	Oct 01	Pending
Schematic Packages	12	Oct 01	Pending
Student Guides	12	Oct 01	Pending

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Oct 96	Onboard
Lesson Plans	unlimited	Oct 96	Onboard
Student Guides	unlimited	Oct 96	Onboard

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Nov 98	Onboard
Lesson Plans	unlimited	Nov 98	Onboard
Student Guides	unlimited	Nov 98	Onboard

CIN, COURSE TITLE: C-222-2014, Carrier Air Traffic Control Center Operations Fundamentals

TRAINING ACTIVITY: NATTC

LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY REQD	DATE REQD	STATUS
Instructor Guides	unlimited	Nov 98	Onboard
Lesson Plans	unlimited	Nov 98	Onboard
Student Guides	unlimited	Nov 98	Onboard

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

CIN, COURSE TITLE: C-222-2017, CV Carrier Air Traffic Control Center Training Team
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY	DATE	STATUS
	REQD	REQD	
Instructor Guides	unlimited	Nov 98	Onboard
Lesson Plans	unlimited	Nov 98	Onboard
Student Guides	unlimited	Nov 98	Onboard

CIN, COURSE TITLE: C-2G-2019, Carrier Air Traffic Control Center Operations Officer
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY	DATE	STATUS
	REQD	REQD	
Instructor Guides	unlimited	Nov 98	Onboard
Lesson Plans	unlimited	Nov 98	Onboard
Student Guides	unlimited	Nov 98	Onboard

CIN, COURSE TITLE: C-222-2020, Amphibious Air Traffic Control Center Training Team
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY	DATE	STATUS
	REQD	REQD	
Instructor Guides	unlimited	Nov 98	Onboard
Lesson Plans	unlimited	Nov 98	Onboard
Student Guides	unlimited	Nov 98	Onboard

CIN, COURSE TITLE: C-2G-XXXX, Amphibious Air Traffic Control Center Operations Officers Course
TRAINING ACTIVITY: NATTC
LOCATION, UIC: Pensacola, 63093

TYPES OF MATERIAL OR AID	QTY	DATE	STATUS
	REQD	REQD	
Instructor Guides	unlimited	Oct 01	Onboard
Lesson Plans	unlimited	Oct 01	Onboard
Student Guides	unlimited	Oct 01	Onboard

Note: NATTC received curricula materials for courses C-222-2017, C-2G-2019, C-222-2020, C-2G-XXXX, C-222-2019, and C-222-2012 on diskette.

IV.B.3. TECHNICAL MANUALS

CIN, COURSE TITLE: C-103-2055, AN/TPX-42A(V)13 Shipboard DAIR Maintenance Technician Pipeline

TRAINING ACTIVITY: NATTC

LOCATION, UIC : Pensacola, 63093

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
EE-230-DD-OPI-010/E120TPX42AV8 CATTCC DAIR Operator Manual	Hard copy	7	Oct 98	Onboard
MIP R-040/001-XX CATCC DAIR MRCs	Hard copy	2	Oct 98	Onboard
MIP4121/12-XX AN/UPX-44 Data Processing Set MRCs	Hard copy	2	Oct 98	Onboard
NA16-30UPM-155-1 Technical Manual, Radar Test Set, AN/UPM-155, Vol. 1	Hard copy	7	Oct 98	Onboard
NA16-30UPM-155-2 Technical Manual, Radar Test Set, AN/UPM-155 Vol. 2	Hard copy	2	Oct 98	Onboard
NAVELEX0967-LP-429-6020 Video Signal Test Set AN/TPM-32 Technical Manual	Hard copy	2	Oct 98	Onboard
NAVELEX0967-LP-429-6030 Video Signal Test Set AN/TPM-32 Technical Manual	Hard copy	2	Oct 98	Onboard
NAVELEX0967-LP-430-7010 Signal Processor, CN-1358/T Technical Manual	Hard copy	7	Oct 98	Onboard
NAVELEX0967-LP-430-8020 Video Signal Processor, CP-1045/T Technical Manual	Hard copy	7	Oct 98	Onboard
NAVELEX0967-LP-542-5010 Operation and Maintenance Instructions for the AN/UPX-27	Hard copy	7	Oct 98	Onboard
NAVELEX0967-LP-636-8050 Radar Target Data Processor Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
NAVSEA-SE610-PV-MMO-010/UYK-44 Data Processing Set AN/UYK-44(V) Organizational Level Maintenance	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-426-5010 Type Interference Blanker, MX-8757/UPX Technical Manual	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-430-0020 Electronic Circuit Plug-In Unit Test Set AN/TPM-36 Technical Manual	Hard copy	2	Oct 98	Onboard
SPAWAR0967-LP-430-0030 Electronic Circuit Plug-In Unit Test Set, AN/TPM-36 Technical Manual	Hard copy	2	Oct 98	Onboard

IV.B.3. TECHNICAL MANUALS

SPAWAR0967-LP-636-8010 Interrogator Set, Vol. 1, AN/TPX-42(V)8, Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8020 Interrogator Set, Operation and Maintenance Instructions Vol. 1	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8030 Interrogator Set, Operation and Maintenance Instructions Vol. 3	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8040 Interrogator Set Control, C-10329/TPX42A(V)-8 Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8060 Signal Data Converter, CV-3476/TPX-42A(V)8 Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8070 Indicator Group, Operation and Maintenance Instructions	Hard copy	7	Oct 98	Onboard
SPAWAR0967-LP-636-8080 Indicator Control, Keyboard Controller, and Position Entry Module, Operation and maintenance Instructions	Hard copy	7	Oct 98	Onboard

CIN, COURSE TITLE: C-103-2056, AN/TPX-42(V)14 Shipboard DAIR Maintenance Technician Pipeline
TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
EE-230-DD-OPI-010/E120TPX42AV8 CATTCC DAIR Operator Manual	Hard copy	7	Jul 01	Pending
MIP R-040/001-XX CATCC DAIR MRCs	Hard copy	2	Jul 01	Pending
MIP4121/12-XX AN/UPX-44 Data Processing Set MRCs	Hard copy	2	Jul 01	Pending
NA16-30UPM-155-1 Technical Manual, Radar Test Set, AN/UPM-155, Vol. 1	Hard copy	7	Jul 01	Pending
NA16-30UPM-155-2 Technical Manual, Radar Test Set, AN/UPM-155 Vol. 2	Hard copy	2	Jul 01	Pending
NAVELEX0967-LP-429-6020 Video Signal Test Set AN/TPM-32 Technical Manual	Hard copy	2	Jul 01	Pending
NAVELEX0967-LP-429-6030 Video Signal Test Set AN/TPM-32 Technical Manual	Hard copy	2	Jul 01	Pending

IV.B.3. TECHNICAL MANUALS

NAVELEX0967-LP-430-7010 Signal Processor, CN-1358/T Technical Manual	Hard copy	7	Jul 01	Pending
NAVELEX0967-LP-430-8020 Video Signal Processor, CP-1045/T Technical Manual	Hard copy	7	Jul 01	Pending
NAVELEX0967-LP-542-5010 Operation and Maintenance Instructions for the AN/UPX-27	Hard copy	7	Jul 01	Pending
NAVELEX0967-LP-636-8050 Radar Target Data Processor Operation and Maintenance Instructions	Hard copy	7	Jul 01	Pending
NAVSEA-SE610-PV-MMO-010/UYK-44 Data Processing Set AN/UYK-44(V) Organizational Level Maintenance	Hard copy	7	Jul 01	Pending
SPAWAR0967-LP-426-5010 Type Interference Blanker, MX-8757/UPX Technical Manual	Hard copy	7	Jul 01	Pending
SPAWAR0967-LP-430-0020 Electronic Circuit Plug-In Unit Test Set AN/TPM-36 Technical Manual	Hard copy	2	Jul 01	Pending
SPAWAR0967-LP-430-0030 Electronic Circuit Plug-In Unit Test Set, AN/TPM-36 Technical Manual	Hard copy	2	Jul 01	Pending
SPAWAR0967-LP-636-8020 Interrogator Set, Operation and Maintenance Instructions Vol. 1	Hard copy	7	Jul 01	Pending
SPAWAR0967-LP-636-8030 Interrogator Set, Operation and Maintenance Instructions Vol. 3	Hard copy	7	Jul 01	Pending

CIN, COURSE TITLE: C-222-2012, Carrier Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NA 15G30 Operator Manual	Hard copy	12	Oct 96	Onboard
EE-230-DD-OPI-010/E120TPX42AV8 CATTIC DAIR Operator Manual	Hard copy	12	Oct 96	Onboard
NA00-80T-105 Carrier NATOPS	Hard copy	12	Oct 96	Onboard
NA00-80V-49 Air Navigation Manual	Hard copy	12	Oct 96	Onboard

IV.B.3. TECHNICAL MANUALS

NAAE-CVATC-OPM-000 Carrier Air Traffic Control Handbook	Hard copy	12	Oct 96	Onboard
OPNAVINSI3120.32 Standard Operating Requirements Manual	Hard copy	12	Oct 96	Onboard
OPNAVINST5100.23 NAVOSH	Hard copy	12	Oct 96	Onboard

Note: C-222-2012 technical manuals are the same manuals required for C-222-2014, C-222-2017, and C-2G-2019.

CIN, COURSE TITLE: C-222-2019, Amphibious Air Traffic Control Center Operations
TRAINING ACTIVITY: NATTC
LOCATION, UIC : Pensacola, 63093

TECHNICAL MANUAL NUMBER / TITLE	MEDIUM	QTY REQD	DATE REQD	STATUS
NA 15G30 Operator Manual	Hard copy	12	Jul 97	Onboard
NA00-80T-106 LHA/LHD NATOPS Manual	Hard copy	12	Jul 94	Onboard
NA1660TPX42A(V)12-1-2 Operation and Maintenance Manual AN/TPX-42A(V)12 Vol. 2	Hard copy	12	Jul 94	Onboard
NAAE-LHATC-OPM-000 Amphibious Ships Air Traffic Control Manual	Hard copy	12	Jul 94	Onboard
OPNAVINSI3120.32 Standard Operating Requirements Manual	Hard copy	12	Jul 94	Onboard
OPNAVINST5100.23 NAVOSH	Hard copy	12	Jul 94	Onboard

Note: C-222-2019 technical manuals are the same manuals required for C-222-2020 and C-2G-XXXX.

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
TSA	Deliver curricula materials	Jul 83	Completed
TSA	Promulgate Integrated Logistics Support Master Plan	Dec 85	Completed
TSA	Conduct analysis of manpower, personnel, and training requirements	Jan 86	Completed
TSA	Promulgate Draft NTP to ALCON for review and comment	Apr 87	Completed
OPO	Chair NTP Conference and issue minutes and action items that result	Jul 87	Completed
OPO	Allocate fleet instructor, support, and student billets	Jul 87	Completed
EPMAC	Requisition enlisted personnel	Oct 87	Completed
NPC	Begin ordering enlisted personnel	Oct 87	Completed
NPC	Order instructors and support personnel	Oct 87	Completed
OPO	Approve and promulgate update NTP	Jul 88	Completed
OPO	Program manpower and training resource requirements	Jul 88	Completed
TSA	Submit Proposed NTP to OPNAV	Jul 88	Completed
TSA	Begin initial training	Oct 88	Completed
TSA	Begin training services	Oct 88	Completed
TSA	Award factory training and curriculum material contract	Oct 88	Completed
TSA	Award production contract	Mar 89	Completed
OPTEVFOR	Begin OPEVAL	Sep 89	Completed
NPC	Begin programming for officer training	Oct 90	Completed
TSA	Fleet introduction	Apr 92	Completed
TSA	Deliver TTE	Apr 93	Completed
TSA	Begin follow-on training	Jul 93	Completed
TSA	Install TTE	Jul 93	Completed
TSA	Promulgate Updated Draft NTSP	Sep 99	Completed
TSA	Deliver AN/TPX-42A(V)14	FY00	On-going
TSA	Begin follow-on training for AN/TPX-42A(V)14	Oct 01	Pending
TSA	Achieve MSD for AN/TPX-42A(V)14	Mar 02	Pending
EPMAC	Cancel NEC 1576	Oct 03	Pending

PART VI - DECISION ITEMS / ACTION REQUIRED

DECISION ITEM OR ACTION REQUIRED	COMMAND ACTION	DUE DATE	STATUS
NEC 1576 will be cancelled upon removal of the last AN/TPX-42(V)8 from CV or CVN.	NATTC Code 303	Oct 03	Pending

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
CDR Cyrus Murphy Resource Sponsor / Program Sponsor CNO, N885D1 murphy.cyrus@hq.navy.mil	COMM: (703) 697-9359 DSN: 227-9359 FAX: (703) 695-7103
CDR David Kelch Carrier Acquisition Program CNO, N885F kelch.david@hq.navy.mil	COMM: (703) 604-7712 DSN: 664-7712 FAX: (703) 604-6969
ACCM Gordon Field Air Traffic Control Specialist CNO, N885F2 field.gordon@hq.navy.mil	COMM: (703) 604-7712 DSN: 664-7712 FAX: (703) 604-6969
CAPT Thomas Vandenberg Head, Aviation Technical Training Branch CNO, N889H vandenberg.thomas@hq.navy.mil	COMM: (703) 604-7730 DSN: 664-7730 FAX: (703) 604-6939
LCDR Mike Belcher NTSP Manager CNO, N889H1 belcher.michael@hq.navy.mil	COMM: (703) 604-7765 DSN: 664-7765 FAX: (703) 604-6939
AZC Scott Dean NTSP Manager CNO, N889H7 dean.scott@hq.navy.mil	COMM: (703) 614-7714 DSN: 664-7714 FAX: (703) 614-6939
Mr. Robert Zweibel Training Technology Policy CNO, N75B zweibel.robert@hq.navy.mil	COMM: (703) 614-1344 DSN: 224-1344 FAX: (703) 695-5698
LCDR Gary Swain Aviation Manpower CNO, N122C1 n122c1@bupers.navy.mil	COMM: (703) 695-3247 DSN: 225-3247 FAX: (703) 614-5308
Mr. Mike Kreul Program Manager NAVAIRSYSCOM, PMA2131 kreuljm@navair.navy.mil	COMM: (301) 862-6311 DSN: FAX: (301) 862-6328
ACCM Howard McGrath Training System Manager NAVAIRSYSCOM, PMA205-3B1 mcgrathhj@navair.navy.mil	COMM: (301) 757-8126 DSN: 757-8126 FAX: (301) 757-6945

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL**TELEPHONE NUMBERS****CDR Robin Mason**

Aviation NTSP Manager
CINCLANTFLT, N-721
masonrf@clf.navy.mil

COMM: (757) 836-0101
DSN: 836-0101
FAX: (757) 836-0141

Mr. Bob Long

Deputy Director of Training
CINCPACFLT, N70
u70@cpf.navy.mil

COMM: (808) 474-8513
DSN: 315-8513
FAX: (808) 471-8513

CAPT Patricia Huiatt

Deputy Assistant, Chief of Military Personnel for Distribution
NAVPERSCOM, PERS-4B
4b@persnet.navy.mil

COMM: (901) 874-3529
DSN: 882-3529
FAX: (901) 874-2606

CDR Timothy Ferree

Branch Head, Aviation Enlisted Assignments
NAVPERSCOM, PERS-404
p404@persnet.navy.mil

COMM: (901) 874-3691
DSN: 882-3691
FAX: (901) 874-2642

CDR Henry Pitts

Branch Head, Technical Enlisted Rating
NAVPERSCOM, NPC-406
p406@persnet.navy.mil

COMM: (901) 874-3791
DSN: 882-3791
FAX: (901) 874-2643

Mr. Al Sargent

NTSP Coordinator
NAVMAC, 33
al.sargent@navmac.navy.mil

COMM: (901) 874-6247
DSN: 882-6247
FAX: (901) 874-6471

CDR Erich Blunt

Aviation Technical Training
CNET, ETE-32
cdr_erich.blunt@smtp.cnet.navy.mil

COMM: (850) 452-4915
DSN: 922-4915
FAX: (850) 452-4901

ETC John Meyer

Instructor
NATTC Pensacola
John.meyer@smtp.cnet.navy.mil

COMM: (850) 452-7023
DSN: 922-7023
FAX: (850) 452-7006

ACC Jeffrey Dugard

Instructor
NATTC Pensacola
Jeffrey.dugard@smtp.cnet.navy.mil

COMM: (850) 452-7016
DSN: 922-7016
FAX: (850) 452-7006

LCDR Tonya Pringle

PQS Development
NETPMSA Pensacola, 034
lcdr_tonya.pringle@smtp.cnet.navy.mil

COMM: (850) 452-1518
DSN: 922-1685 ext. 187
FAX: (850) 452-1057

Mr. Ernie Eichorn

TPX42 Electronics Engineer
NAWCAD, 4.5.8.2.2
ernie.eichhorn@mx.iff.navy.mil

COMM: (301) 862-8103
DSN: NA
FAX: (301) 862-6126

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL**TELEPHONE NUMBERS****Mr. Robert Quinnan**

TPX42 Electronics Engineer
NAWCAD, 4.5.8.2.2
quinnanra@navair.navy.mil

COMM: (301) 862-6138
DSN: NA
FAX: (301) 862-6126

Mr. Phil Szczyglowski

Competency Manager
NAVAIRSYSCOM, AIR-3.4.1.1
szczyglowspr@navair.navy.mil

COMM: (301) 757-9182
DSN: 757-9182
FAX: (301) 342-4723

Mr. Bob Kresge

NTSP Manager
NAVAIRSYSCOM, AIR 3.4.1.1
kresgerj@navair.navy.mil

COMM: (301) 757-9174
DSN: 757-9174
FAX: (301) 342-4723

AOCS Wallis Lacey

NTSP Coordinator
NAVAIRSYSCOM, AIR-3.4.1.1
laceywo@navair.navy.mil

COMM: (301) 757-9189
DSN: 757-9189
FAX: (301) 342-4723

AE1 Richard Axtell

MPT Analyst (NTSP Author)
NAVAIRSYSCOM, AIR-3.4.1.1
axtellra@navair.navy.mil

COMM: (301) 757-9187
DSN: 757-9187
FAX: (301) 342-4723